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TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Commissioner For Patents,
Alexandria, VA 22313-1450.
Name: laurie de Leon Signature: [Signature]
Date: 05-12-04 Signature: _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Grove, et al

Serial No.: 09/842,387

Filed: 4/25/2001

For: Method and System for Rapid Insertion of Various Data Streams into Sorted Tree Structures

Attorney Docket No. SIA-P047

Examiner: Truong, Cam Y T

Art Unit: 2172

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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MAY 18 2004

AMENDMENT TRANSMITTAL LETTER

Technology Center 2100

Dear Sir:

1. **TRANSMITTED DOCUMENTS:** the following documents relating to the above-identified patent application are being transmitted herewith.

- ☒ a. An Amendment for this application: 9 pages.
☐ b. Substituted Formal Drawings: _____ sheets.
☐ c. A Petition For Extension of Time For Response under 37 CFR 1.136(a) incorporated herein.
☐ d. An Information Disclosure Statement under 37 CFR 1.97(b) 1.97(c)
☒ e. A stamped, self-addressed, return postcard.
☐ f. A Check (# _____) for \$ _____ to cover required fees of this correspondence.

2. **APPLICANT FILING STATUS:**

- ☐ a. Applicant is a Large Entity.
☒ b. Applicant is a Small Entity.

3. **EXTENSION OF TIME:**

- ☐ a. Applicant petitions for an extension of time under 37 C.F. R. 1.136 for the total number of _____ months checked below (fees pursuant to 37 C.F.R. 1.17(a)-(d)).

<u>Extension of Time</u>	<u>Large Entity Fee</u>	<u>Small Entity Fee</u>
i. One (1) month .	_____ \$ 110.00	_____ \$ 55.00
ii. Two (2) month .	_____ \$ 420.00	_____ \$ 210.00
iii. Three (3) month .	_____ \$ 950.00	_____ \$ 475.00
iv. Four (4) month .	_____ \$ 1,480.00	_____ \$ 740.00
v. Five (5) month .	_____ \$ 2,010.00	_____ \$ 1005.00

Extension Time Fee Total: _____.00

- ☒ b. Applicant believes that no extension of time is required. However, this conditional petition is being made in case Applicant has inadvertently overlooked the need for a petition for extension of time, the Commissioner is hereby authorized to charge any necessary amount associated with this communication or credit any overpayment to **Deposit Account No: 500482**.



4. FEE CALCULATION:

The fee for claims (37 C.F.R. 1.17(b)-(d)) has been calculated as shown below:

Fee Items	Claims Remaining After Amendment	Highest Number of Claims Previously Paid	Present Extra Claims	Fee Rate	Total
a. Total Claims	47	- 48 =	0	x \$ 18.00 Large Entity x \$ 9.00 Small Entity	\$
b. Independent Claims	2	- 3 =	0	x \$ 86.00 Large Entity x \$ 43.00 Small Entity	\$
c. Multiple Dependent Claims Added By This Amendment				x 290.00 Large Entity x 145.00 Small Entity	
d. Extension of Time Fee Total, if any, from above EXTENSION OF TIME section 3a.					\$.00
e. Additional Fees Required With This Correspondence i) 1.17 (p) Fee for Information Disclosure under 1.97(c)					\$.00
e. Total Fees					\$.00

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5. PAYMENT OF FEES

The full fee due in connection with this communication is provided as follows:

Technology Center 2100

_____ The Commissioner is hereby authorized to charge the fees associated with this communication or credit any overpayment to **Deposit Account No: 500482**. A duplicate copy of this authorization is enclosed.

_____ A Check # _____ for \$ _____ for the above specified Total Fee is enclosed. However, should Applicant inadvertently miscalculated the required fee, the Commissioner is hereby authorized to charge the necessary additional amount associated with this communication or credit any overpayment to **Deposit Account No: 500482**.

_____ Applicant does not believe that any payment of fee is needed in association with this communication. However, should Applicant inadvertently miscalculated the required fee, the Commissioner is hereby authorized to charge any necessary amount associated with this communication or credit any overpayment to **Deposit Account No: 500482**.

Please direct all correspondence concerning the above-identified application to the following address:

CUSTOMER NO: 22877

FERNANDEZ & ASSOCIATES, LLP

Patent Attorneys


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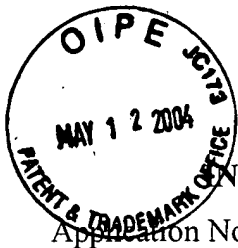
Fax: (650) 325-1203

Respectfully submitted,


DENNIS S. FERNANDEZ
Registration No. 34,160

05-12-04

Date



05-14-04

2172

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/842,387

Docket No.: SIA-P047

Applicants: Grove, et al.

Group Art Unit: 2172

Filed: April 25, 2001

Examiner: Truong, Cam Y T

For: **METHOD AND SYSTEM FOR RAPID INSERTION OF VARIOUS DATA
STREAMS INTO SORTED TREE STRUCTURES**

Mail Stop Patent Applications
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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AMENDMENT B AND RESPONSE TO OFFICE ACTION UNDER 37 CFR 1.111

Sir:

In response to the Office Action mailed on March 12, 2004, please make the below-identified amendments and consider the following remarks:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 8 of this paper.